

Special Issue

Emerging Memory/Storage Technologies and Applications: Trends, and Challenges

Message from the Guest Editors

Recently, the explosive increase in data-intensive applications, including machine learning, has accelerated the development of memory and storage technologies, and its importance has been emphasized more and more. With the advent of new memory and storage devices, the traditional memory hierarchy of computer systems is undergoing a change with new layers. In this context, this Special Issue aims to highlight emerging memory/storage technologies and applications. Potential topics include but are not limited to the following:

- Memory and storage design for data-intensive applications;
- AI/ML for memory/storage optimization;
- Memory/storage for AI/ML;
- Emerging memory/storage hierarchy design;
- Processing in memory /in-storage processing technologies;
- Reliability, availability, and fault tolerance;
- RAID/all flash array/erasure coding;
- System software for memory/storage technologies;
- Energy-efficient memory/storage management;
- Performance modeling, prediction, and simulation;
- Key-value and NoSQL store;
- File systems and workload benchmarking.

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Guest Editors

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Deadline for manuscript submissions

closed (28 February 2023)



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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

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